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IN THE CLAIMS

Please cancel claims 3, 22-24, 37, and 39 and amend the remaining claims as follows:

1. (Currently Amended.) An apparatus comprising:
  - a plurality of base stations, each base station comprising:
    - a positioning receiver to generate base station location information, each positioning receiver having a known location;
    - a link to a network to transmit said base station location information;
  - a station selection module to select a subset of the plurality of base stations, wherein said station selection module is to select said subset of base stations based at least in part on each of the subset of base stations utilizing a set of satellites that is also utilized by a mobile device for which the correction information is being computed; and
  - a correction information calculation module coupled to the network to receive base station location information from each base station of the subset via the network, the correction information calculation module to calculate correction information as a function of the base station location information and the known location for all of the plurality of base stations.
3. Canceled.
4. (Previously presented.) The apparatus of claim 1 wherein said station selection module is to select a first subset of base stations based on coarse location information

and then to select a second subset of base stations, which may or may not differ from the first subset, based on a more precise roving device location computed using a correction information computed using the first subset.

5. (Previously presented.) The apparatus of claim 1 further comprising:  
an integrity monitoring module to detect and exclude faulty location  
information from a base station.
6. (Original.) The apparatus of claim 5 wherein said integrity monitoring module is to detect and exclude location information corrupted by cycle slip and code multipath errors.
7. (Previously presented.) The apparatus of claim 5 further comprising:  
a measurements integration module to stochastically integrate location  
information received from said integrity monitoring module to derive said  
correction information.
8. (Original.) The apparatus of claim 1 wherein each link comprises a first network interface to receive base station location information from a positioning receiver at a base station and to generate a first set of signals for transmission of said base station location information from said positioning receiver.
9. (Original.) The apparatus of claim 8 wherein said first network interface packetizes said base station location data for network communication to said correction

information calculation module.

10. (Original.) The apparatus of claim 8 wherein said first network interface comprises a telephony communications interface, the apparatus further comprising:

a second link to receive said first set of signals via one or more signal lines from the base station and to extract said base station location data;  
a second network interface to receive said base station location data from said second link and to generate a second set of signals for transmission of said base station location data to the correction information calculation module via the network.

11. (Original.) The apparatus of claim 1 wherein said link comprises a modem to modulate base station location information from a positioning receiver into a modulated signal for transmission over a telecommunications link.

12. (Original.) The apparatus of claim 11 further comprising:

a second link to receive said modulated signal from said telecommunications link and to extract said base station location information;  
a network interface to receive said base station location information from said second link and to generate a second set of signals for transmission to the correction information calculation module via the network.

13. (Original.) The apparatus of claim 1 further comprising:

a receiver module to communicate with a positioning system to determine

preliminary position-related information; and  
a precise location calculation module to calculate a receiver location from said  
correction information and said preliminary position-related information.

14. (Original.) The apparatus of claim 13 wherein said precise location calculation module and said receiver module are included in a roving receiver device, wherein said roving receiver device receives said correction information from said correction information calculation module via a message on the network that is converted to a wireless transmission from one of said plurality of base stations to said receiver module.
15. (Original.) The apparatus of claim 13 wherein said precise location calculation module is located remotely from said receiver module, wherein said receiver module transmits said preliminary position-related information via a wireless message that is converted to a message that is transmitted on the network to said precise location calculation module.
16. (Original.) The apparatus of claim 14 wherein said preliminary position-related information comprises a set of pseudoranges.
17. (Original.) The apparatus of claim 14 wherein said correction information comprises one or more of LAAS-based pseudorange corrections and LAAS-based carrier-phase corrections.

18. (Currently amended.) An apparatus comprising:

a plurality of cellular communications base stations, each base station

comprising:

a positioning receiver to generate base station location information,

each positioning receiver having a known location;

a link to a network to transmit said base station location information;

a first module coupled to the network to receive base station location

information from each of the plurality of base stations via the network, the

first module to calculate correction information as a function of the base

station location information and the known location for all of the plurality

of base stations;

a second module to select location information from a selected subset of said

plurality of base stations and to omit location information from an omitted

subset of said plurality of base stations from computation of said correction

information, wherein the second module selects the subset of base stations

based at least in part on each of the subset of base stations utilizing a set of

satellites that is also utilized by a receiver for which the correction

information is being computed;

a third module to communicate with a positioning system to determine

preliminary position-related information; and

a fourth module to calculate the receiver location from said correction

information and said preliminary position-related information.

19. (Previously presented.) The apparatus of claim 18 wherein the network is the

Internet and wherein said first module and said second module are programs executed by a server connected to the Internet.

20. (Previously presented.) The apparatus of claim 19 further comprising:

a plurality of additional cellular base stations that do not provide location information to said first module.

21. (Currently amended.) An apparatus comprising:

a network interface to receive base station location information from a plurality of base stations from a network;

an integrity monitoring module to detect and discard faulty location information from one or more base stations;

a correction information calculation module to compute a correction information for a mobile device as a function of non-discarded base station location information from the base stations, and

a station selection module to select a subset of the base stations based at least in part on each of the subset of base stations utilizing a set of satellites that is also utilized by the mobile device for which the correction information is being computed.

22. Canceled.

23. Canceled.

24. Canceled.

25. (Original.) The apparatus of claim 21 further comprising:

a data link to receive rover location information.

26. (Original.) The apparatus of claim 25 wherein said data link comprises a link to an Internet service provider.

27. (Original.) The apparatus of claim 25 wherein said data link comprises a link to a cellular phone service provider.

28. (Original.) The apparatus of claim 21 further comprising:

a localized data services module to provide localized information based on a location computed using said correction information.

30. (Previously presented.) The apparatus of claim 21 wherein said integrity monitoring module is to detect and exclude location information corrupted by cycle slip and multipath errors.

31. (Previously presented.) The apparatus of claim 21 further comprising:

a measurements integration module to stochastically integrate location information received from said integrity monitoring module to derive said correction information.

32. (Currently amended.) An article comprising a machine readable medium storing instructions that, if executed by a machine, cause the machine to perform a set of operations comprising:

storing a plurality of location information communications from a plurality of base stations received via a network;

selecting a subset of the plurality of location information communications, wherein the subset is selected based at least in part on which of the plurality of base stations is utilizing a set of satellites that is also being utilized by a mobile device for which a correction information is being computed; and

computing the correction information for the mobile device as a function of contents of the subset of said plurality of location information communications and known locations of said plurality of base stations.

33. (Original.) The article of claim 32 wherein the set of operations further comprises: selecting said subset based on a location of said mobile device.

34. (Original.) The article of claim 33 wherein the set of operations further comprises: computing a second subset based on a precise location determined by a precise location computation; computing a precise location as a function of said correction information and coarse location information determined by said mobile device.

35. (Original.) The article of claim 33 wherein the set of operations further comprises:



providing location specific data based on a location computed using said correction information.

36. (Currently amended.) A method comprising:

receiving a plurality of location information communications from a plurality of base stations via a network;

selecting a subset of the plurality of location information communications based on a location of a mobile device, wherein selecting the subset further comprises the operation of selecting a subset of the plurality of base stations so that each base station in the subset is in view of a set of satellites used by the mobile device; and

computing correction information for the mobile device as a function of contents of the subset of the plurality of location information communications and known locations of said plurality of base stations.

37. Canceled.

38. (Currently amended.) The method of claim 36 further comprising:

receiving an initial estimate location for use as the location in selecting said subset;

computing a second subset based on a precise location determined by a precise location computation.

39. Canceled.

40. (Original.) The method of claim 36 further comprising:  
    computing a precise location as a function of said correction information and  
    coarse location information determined by said mobile device.
41. (Original.) The method of claim 40 wherein computing a precise location comprises:  
    determining a set of psuedorange information for said mobile device; and  
    adjusting a location computation using psuedorange or carrier-phase correction  
    information included in said correction information.
42. (Original.) The method of claim 36 further comprising:  
    computing a coarse location for said mobile device in said mobile device;  
    transmitting said coarse location to a system that computes precise locations;  
    and  
    computing a precise location as a function of said coarse location and said  
    correction information in said system that computes precise locations.
43. (Original.) The method of claim 36 further comprising:  
    providing a location based service based on precise information computed as a  
    function of said correction information and a coarse location of said  
    mobile device.

#### REMARKS

Claims 1, 3-28, and 30-43 stand rejected under 35 USC § 103(a) as being